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April 28, 2004

Mail Stop 16

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Attention: Refund Section,  
Accounting Division  
Office of Finance

Re: Request for Refund  
Deposit Account No. 11-1153  
Control No. 43  
Serial No. 10/790,372  
Our Docket: 2657-1-001CON

REQUEST FOR REFUND

Dear Sirs:

We formally request herein a credit to be applied to the above-mentioned Deposit Account, due to a discrepancy in the statement of March 31, 2004. A copy of the statement, with the discrepancy highlighted, is enclosed for your reference.

Specifically, the item refers to Control No.43 relating to an \$81.00 charge which represents 9 additional claims over 20 (small entity fee) for U.S. Application Serial No. 10/790,372, Attorney Docket No. 2657-1-001CON. The application in question contains a total of only 19 claims, however, due to a typographical error on the Fee Transmittal Form, the total claims box showed 29, instead of 19; but the extra claims box correctly indicated "0". The only additional claims charge was with respect to Multiple Dependent claims, for which the correct fee was submitted with the application. We enclose copies of the following:

Adjustment date: 06/08/2004 EEKUBAY1  
05/27/2004 ABOITOM 00000003 111153 10790372  
01 FC:2202 18.00 CR

Assistant Commissioner for Patents  
April 28, 2004  
Page 2


STATUS AND ENTRY  
BRANCH

2004 MAY -3 Attorney Docket: 2657-1-001CON

1. Copy of the Fee Transmittal for FY 2004, dated March 1, 2004.
2. Copy of the CLAIMS included in the application.
3. Copy of the Monthly Statement of Deposit Account Dated March 31, 2004.

Accordingly, the undersigned herein requests that a total of \$81.00 is due and should be credited to the above-noted Deposit Account. Such action is accordingly requested, and written confirmation that this action has been taken is likewise requested herein.

Respectfully submitted,

  
DAVID A. JACKSON  
Attorney for Applicant  
Registration No. 26,742

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Enclosures

KLAUBER & JACKSON



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# MONTHLY STATEMENT OF DEPOSIT ACCOUNT

To replenish your deposit account, detach and return top portion with your check. Make check payable to Director of Patents & Trademarks.

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Page	1

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DATE POSTED			CONTROL NO.	DESCRIPTION (Serial, Patent, TM, Order)	DOCKET NO.	FEE CODE	CHARGES/ CREDITS	BALANCE
MO.	DAY	YR.						
3	5	04	5	10218969	2459-1-007N	2202	RM 45.00	9309.50
3	5	04	30	5037745	601-9-010.23	9204	DAI -130.00	9439.50
3	5	04						9358.50
3	9	04	1	PCT/US03/40760	17201009/PCT	1703	RM 24.00	9334.50
3	9	04	6	09737660	600-1-277	2201	JP 258.00	9076.50
3	9	04	124	10793046	2812-1-001	2001	RR 5.00	9071.50
3	17	04	1	10359413	715-1-0990	2814	SK 55.00	9016.50
3	18	04	3	60510985	2782-1-001 P	9204	SE -80.00	9096.50
3	18	04	6	PCT/US03/34096	30710014/PCT	1602	SK -250.00	9346.50
3	18	04	64	6092844		2554	10.00	9336.50
3	23	04	16	5604115	600-1-030PCT/CIPUS	1251	DAI 80.00	9256.50
3	24	04	7	10479689	063-1-01815	9204	RR -43.00	9299.50
3	26	04	7	PCT/US02/41702	110-1-002 PCT	9204	SE -260.00	9559.50
3	26	04	58	10662777	2551-1-001	2202	RM 126.00	9433.50
3	30	04	78	09720934	2320-1-001 P	1253	DAI -980.00	10413.50
3	31	04	18	PCT/US03/39895	26051005/PCT	1602	RM -250.00	10663.50
APR 26 2004								
AN AMOUNT SUFFICIENT TO COVER ALL SERVICES REQUESTED MUST ALWAYS BE ON DEPOSIT					OPENING BALANCE	TOTAL CHARGES	TOTAL CREDITS	CLOSING BALANCE
					9354.50	684.00	1993.00	10663.50

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PTO/SB/17 (10-03)  
Approved for use through 07/31/2006. OMB 0651-0032  
U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

# FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

☒ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 530.00

## Complete if Known

Application Number Unassigned  
Filing Date Herewith  
First Named Inventor Reijo Varis  
Examiner Name Unassigned  
Art Unit Unassigned  
Attorney Docket No. 2657-1-001CON

## METHOD OF PAYMENT (check all that apply)

☒ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None

☐ Deposit Account:

Deposit Account Number 11-1153  
Deposit Account Name

The Director is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☒ Credit any overpayments

☒ Charge any additional fee(s) or any underpayment of fee(s)

☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION

### 1. BASIC FILING FEE

Large Entity Small Entity

Fee Paid  
385.00  
(\$ 385.00)

2. Total Claims 29 -20\*\* = 9 x 0 = 0  
Independent Claims 1 -3\*\* = 0 x 0 = 0  
Multiple Dependent 145 = 145.00

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description
1202 18	2202 9	Claims in excess of 20
1201 86	2201 43	Independent claims in excess of 3
1203 290	2203 145	Multiple dependent claim, if not paid
1204 86	2204 43	** Reissue independent claims over original patent
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$ 145.00

\*\*or number previously paid, if greater; For Reissues, see above

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

Large Entity Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1051 130	2051 65	Surcharge - late filing fee or oath	
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet	
1053 130	1053 130	Non-English specification	
1812 2,520	1812 2,520	For filing a request for ex parte reexamination	
1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action	
1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action	
1251 110	2251 55	Extension for reply within first month	
1252 420	2252 210	Extension for reply within second month	
1253 950	2253 475	Extension for reply within third month	
1254 1,480	2254 740	Extension for reply within fourth month	
1255 2,010	2255 1,005	Extension for reply within fifth month	
1401 330	2401 165	Notice of Appeal	
1402 330	2402 165	Filing a brief in support of an appeal	
1403 290	2403 145	Request for oral hearing	
1451 1,510	1451 1,510	Petition to institute a public use proceeding	
1452 110	2452 55	Petition to revive - unavoidable	
1453 1,330	2453 665	Petition to revive - unintentional	
1501 1,330	2501 665	Utility issue fee (or reissue)	
1502 480	2502 240	Design issue fee	
1503 640	2503 320	Plant issue fee	
1480 130	1480 130	Petitions to the Commissioner	
1807 50	1807 50	Processing fee under 37 CFR 1.17(q)	
1808 180	1808 180	Submission of Information Disclosure Stmt	
8021 40	8021 40	Recording each patent assignment per property (times number of properties)	
1809 770	2809 385	Filing a submission after final rejection (37 CFR 1.129(e))	
1810 770	2810 385	For each additional invention to be examined (37 CFR 1.129(b))	
1801 770	2801 385	Request for Continued Examination (RCE)	
1802 900	1802 900	Request for expedited examination of a design application	

Other fee (specify)

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$)

## SUBMITTED BY

Name (Print/Type) David A. Jackson, Esq. Registration No. 26,742 Telephone 201-487-5800  
Signature Date March 1, 2004

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.  
SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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**IN THE CLAIMS:**

Claims 1-23 (cancelled)

24. (new) A cartridge for dispensing pill- or capsule-form medications in desired doses (60), said cartridge comprising

- individual dosage compartments (27) for desired doses of medication,
- a vacant recess or space (23) between the dosage compartments (27),
- a rotatable and removable cover (28) having an opening (28a) which can be rotated to coincide with any of the dosage compartments (27) for loading and/or dispensing of doses through the opening (28a), and
- means (90, 91) for visual indication of dispensing schedule comprising a first ring (90) with sections for days of a week, and a second ring (91) dividing said sections into subsections indicating the number of medicine of a day,

the cartridge being furnished with identification data (ID), on the basis of which the filled cartridge (20, 40) can be certifiably returned to a correct user.

25. (new) A loading device for loading cartridges as set forth in claim 24, **characterized** in that the cartridge is insertable into a separate closing or loading device (80) for filling the dosage compartments (27) of the cartridge with desired doses of medication and for furnishing the filled cartridge (20) with identification data (ID).

26. (new) An intelligent dispensing device (35) for dispensing pill- or capsule-form medications in desired doses, said dispensing device comprising

- a housing or frame (10),
- a cartridge (20) according to claim 24 or 25, rotatably supported on the housing or frame (10) without its cover (28), the cartridge (20, 40) being adapted to be disengageable and removable from the dispensing device (35) for filling the dosage compartments (27) of the cartridge with desired doses

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- of medication, the cartridge being furnished with identification data (ID), on the basis of which the filled cartridge (20) can be certifiably returned to the proper dispensing device (35),
  - a signalling device (75, 76) giving a sound and/or light signal, which activates at pre-programmed points of time, and
  - an electronics unit (19, 55) containing program electronics (19) and a dispensing program,
- the program electronics (19) being re-programmable with a programming device (66, 101, 102), the dispensing being arranged to be effected by means of the users own action which is exerted onto the dispensing device (35).

27. (new) A dispensing device as set forth in claim 26, **characterized** in that the programming device (66, 101, 102) is an external portable device, which has a wireless communication link (37, 138) with the electronics unit (19, 55) of the dispensing device (35).

28. (new) A loading device as set forth in claim 25, **characterized** in that the prescription controlling the loading device (80) in terms of its filling action is adapted to be delivered, along with a patient's identification data, by way of a communication network, such as the internet or a chip card (68), to a computer (67) controlling operation of the loading device (80).

29. (new) A dispensing device as set forth in claim 27, **characterized** in that the external programming device (66, 101, 102) for a dispensing program comprises either a mobile telephone or a programming device (101, 102) equipped with an IR link (38, 138) for feeding the dispensing program, or modifications thereto to the electronics unit (19, 55).

30. (new) A dispensing device as set forth in claim 27, **characterized** in that the

external programming device (66, 101, 102) for a dispensing program comprises a computer (66), which has a link via the internet to a distant control file or which has a control file stored in its bulk memory.

31. (new) A loading device as set forth in claim 25, **characterized** in that the loading device (80) is adapted to provide the cartridge (20) with an optically readable label (ID) disclosing the identification data.

32. (new) A loading device as set forth in claim 25, **characterized** in that the cartridge (20) carries an electronic identification tag (39), which the loading device (80, 80') furnishes with identification data for a customer, and that the dispensing device (35) according to claim 26 or a hospital dispensary is provided with elements (39a; 102/139) for reading the data disclosed in the identification tag (39).

33. (new) A dispensing device as set forth in claim 26, **characterized** in that there are means (18, 18a) for rotating the cartridge (20) the rotating means being activated to function upon pressing a push button (3), but only after the signalling device (75, 76) has activated under control of the program of the electronics unit (19, 55).

34. (new) A dispensing device as set forth in claim 33, **characterized** in that, upon every activation of the means (18, 18a) manipulating the cartridge (20), the information about a dispensing occurrence is transmitted to said control file (64a), which compiles a monitoring log of taking a medication.

35. (new) A dispensing device as set forth in claim 33, **characterized** in that the electronics unit (19, 55) involves a memory which collects information regarding dispensing occurrences and transmits the same at prescribed times to a control file, which compiles a monitoring log of taking a medication, the prescribed times being

short enough for practically real time monitoring of taking a medication.

36. (new) A dispensing device as set forth in claim 26, **characterized** in that the electronics unit (19, 55) containing a dispensing program is programmable by means of push buttons (56) included therein.

37. (new) A dispensing device as set forth in claim 26, **characterized** in that between the dosage compartments (27) of the cartridge (20) is a vacant recess or space (23) and the housing or frame (10) of the dispensing device is provided with a protrusion, which functions as a response and/or an indication for inserting the cartridge (20) in the housing or frame (10) of a dispensing device in a preset initial position.

38. (new) A dispensing device as set forth in claim 26, **characterized** in that at least one cartridge (20) is encloseable within a space (5a, 5b) defined by a cover (2) mountable around the frame (10) and the cartridge (20).

39. (new) A dispensing device as set forth in claim 26, **characterized** in that a stepping motor (18) rotates the cartridge (20) in compliance with a program programmed in a programmable memory of the electronics unit (19, 55).

40. (new) A cartridge as set forth in claim 24, **characterized** in that, with the removable cover (28) set in its position, the dosage compartments (27, 47) are closed on all sides thereof.

41. (new) A cartridge as set forth in claim 24, **characterized** in that, the cartridge (20) is made of transparent plastics and also the dispensing device is partially made of transparent plastics to allow visual inspection of the doses in the dosage compartments.

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42. (new) A dispensing device as set forth in claim 33, **characterized** in that a stepping motor (18) rotates the cartridge (20) through an angular distance equal to the dosage compartment (27) as the dispensing button (20) is pressed at the accepted medication time, which is programmed in the program of the electronics units (19, 55).